Yong-Sheng Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47 papers	331 citations	10 h-index	15 g-index
50 ext. papers	404 ext. citations	3.7 avg, IF	3.73 L-index

#	Paper	IF	Citations
47	Phase-field simulation of evolution kinetics of second γ′ phase in Ni–Al alloy under tensile stress. *Journal of Materials Research and Technology*, **2022**, 17, 1450-1458	5.5	
46	Crystal plasticity phase-field simulation of rafting and creep properties with a continuous change of the mismatch strain in a Co-Al-W superalloy. *Materials Letters*, **2022**, 306, 130868	3.3	0
45	Phase-field simulation of element distribution and kinetics evolution of Cr/Cu core-shell nanoparticles in Fe–Cr–Al–Cu alloy. *Applied Physics A: Materials Science and Processing*, **2022**, 128, 1	2.6	
44	Phase-field simulation of Cu enriched nanoparticles with variation of defects migration energy under neutron irradiation. *Modelling and Simulation in Materials Science and Engineering*, **2021**, 29, 085011	2	1
43	Precipitation kinetics and morphology evolution of the Co3(Al, W) phase in a medium supersaturation Co–Al–W alloy. *Journal of Materials Science*, **2021**, 56, 2597-2611	4.3	2
42	Phase-field simulation of re-dissolution of γ′ phase in Ni–Al alloy by continuous and second-order aging treatment. *Rare Metals*, **2021**, 40, 1155-1163	5.5	3
41	Morphology and kinetics evolution of γ′ and β phases in Ni-xAl-(20-x)Cr at% alloys. *Progress in Natural Science: Materials International*, **2021**, 31, 86-94	3.6	2
40	A bimodal γ′ phase precipitation in Ni–Al alloys with preaging and continuous cooling: phase-field simulation. *Modelling and Simulation in Materials Science and Engineering*, **2021**, 29, 035002	2	1
39	Coarsening kinetics of γ′ phase in isothermal aged high Al content Ni–17 at.% Al alloy. *Materials Chemistry and Physics*, **2021**, 271, 124902	4.4	
38	Composition distribution and kinetics evolution of γ′ phase in Ni-(17–x) Al-x Mo (at.%) alloys. *Journal of Materials Research and Technology*, **2021**, 15, 561-571	5.5	0
37	Crystal plasticity phase-field simulation of creep property of Co-base single crystal superalloy with pre-rafting. *Computational Materials Science*, **2021**, 199, 110763	3.2	0
36	Phase-field simulation of dose rate effect on the Cu precipitation with neutron irradiation. *Physical Chemistry Chemical Physics*, **2021**, 23, 4217-4229	3.6	4
35	Element migration during stress rafting of γ′-Co3(Al, W) precipitates. *Philosophical Magazine Letters*, **2020**, 100, 202-212	1	2
34	Vacancy and interstitial atom evolution with the separation of the nanoscale phase in Fe-Cr alloys: phase-field simulations. *Physical Chemistry Chemical Physics*, **2020**, 22, 3611-3619	3.6	11
33	Phase-field simulation of early-stage kinetics evolution of γ′ phase in medium supersaturation Co-Al-W alloy. *Journal of Materials Science and Technology*, **2020**, 53, 1-12	9.1	13
32	Phase-field simulation of effects of normal strain on the morphology and kinetics evolution of nanoscale phase. *Journal of Materials Research and Technology*, **2020**, 9, 2063-2071	5.5	7
31	Phase-field simulation of γ′ precipitates rafting and creep property of Co-base superalloys. *Materials and Design*, **2020**, 196, 109077	8.1	10

30	Effects of Cr content on compositional evolution and precipitation kinetics of ′ phase in NiAlCr alloy: 2D phase-field simulation. *Journal of Materials Research and Technology*, **2020**, 9, 7499-7507	5.5	3
29	Phase-field crystal modeling of crystal growth patterns with competition of undercooling and atomic density. *Physical Chemistry Chemical Physics*, **2020**, 22, 21858-21871	3.6	3
28	Quantitative Phase-Field Simulation of Composition Partition and Separation Kinetics of Nanoscale Phase in Fe-Cr-Al Alloy. *Journal of Nanomaterials*, **2019**, 2019, 1-11	3.2	2
27	Continuum Separation of Nanoscale Phase in Thermal Aging Fe-Cr Alloys: Phase-Field Simulation and Experiment. *Jom*, **2019**, 71, 1803-1812	2.1	6
26	A correlative four-dimensional study of phase-separation at the subnanoscale to nanoscale of a NiAl alloy. *Acta Materialia*, **2019**, 171, 306-333	8.4	21
25	Morphology and Kinetics Evolution of Nanoscale Phase in Fe?Cr Alloys under External Strain. *Nanomaterials*, **2019**, 9,	5.4	7
24	Effect of applied strain on phase separation of Fe28 at.% Cr alloy: 3D phase-field simulation. *Modelling and Simulation in Materials Science and Engineering*, **2018**, 26, 035015	2	9
23	Morphology and kinetics evolution of ′ phase with increased volume fraction in NiAl alloys. *Materials Chemistry and Physics*, **2018**, 217, 23-30	4.4	11
22	Effect of Coherent Lattice Mismatch on the Morphology and Kinetics of Ordered Precipitates. *Journal of Materials Engineering and Performance*, **2018**, 27, 4968-4977	1.6	7
21	Initial precipitation and coarsening of the phase in inverse NiAl alloys. *Materials at High Temperatures*, **2017**, 34, 208-214	1.1	2
20	Precipitation kinetics of phase in an inverse NiAl alloy. *Computational Condensed Matter*, **2017**, 11, 40-46	1.7	4
19	Evolution of nanoscale Cr-rich phase in a Fe-35 at.% Cr alloy during isothermal aging. *Journal of Alloys and Compounds*, **2017**, 725, 1035-1043	5.7	17
18	Kinetics of initial phase separation and coarsening of nanoscale phase in FeCr alloys. *Journal of Nuclear Materials*, **2017**, 497, 154-160	3.3	8
17	Nanoscale Phase Evolution during Continuum Decomposition of Fe-Cr Alloys. *Materials*, **2017**, 10,	3.5	8
16	Phase-Field Simulation of the Separation Kinetics of a Nanoscale Phase in a Fe-Cr Alloy. *Journal of Materials Engineering and Performance*, **2016**, 25, 1924-1930	1.6	11
15	Effect of Diffusivity on the Pseudospinodal Decomposition of the Phase in a Ni-Al Alloy. *Journal of Phase Equilibria and Diffusion*, **2016**, 37, 261-268	1	8
14	Dynamics evolution of precipitates size and composition interface between / phases in NiAl alloy at different aging temperatures. *Rare Metals*, **2016**, 1	5.5	3
13	Lamellar morphology of directional solidified Ti45Al8Nb W alloys. *Rare Metals*, **2016**, 35, 65-69	5.5	4

12	Composition Distribution and Electrochemical Behavior of an Ni2Al3 Coating on Q235 Steel. *Metals*, **2016**, 6, 58	2.3	5
11	Precipitation kinetics of ordered γ′ phase and microstructure evolution in a Ni Al alloy. *Materials Chemistry and Physics*, **2016**, 182, 125-132	4.4	25
10	Phase-field simulation of diffusion-controlled coarsening kinetics of γ′ phase in Ni3Al alloy. *International Journal of Materials Research*, **2015**, 106, 108-113	0.5	9
9	Effects of temperature gradient on the interface microstructure and diffusion of diffusion couples: Phase-field simulation. *Chinese Physics B*, **2015**, 24, 126401	1.2	1
8	Effects of temperature gradient and elastic strain on spinodal decomposition and microstructure evolution of binary alloys. *Modelling and Simulation in Materials Science and Engineering*, **2014**, 22, 035009	2	6
7	Effects of Applied Strain on Interface Microstructure and Interdiffusion in the Diffusion Couples. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2013**, 44, 3060-3068	2.3	6
6	Phase decomposition and morphology characteristic in thermal aging Fe-Cr alloys under applied strain: A phase-field simulation. *Journal of Nuclear Materials*, **2012**, 429, 13-18	3.3	29
5	Phase field simulation of precipitates morphology with dislocations under applied stress. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 8628-8634	5.3	11
4	Effect of dislocations on spinodal decomposition in Fe-Cr alloys. *Journal of Nuclear Materials*, **2009**, 395, 120-130	3.3	44
3	Computer simulation for the precipitation process of Ni75Al7.5V17.5 alloy. *Progress in Natural Science: Materials International*, **2004**, 14, 1099-1103	3.6	5
2	Phase-field simulation of multilayer microstructure of Cr-enriched phase induced by alternating strain. *International Journal of Mechanics and Materials in Design*,1	2.5	
1	Phase-Field Simulation of D019-Co3W Precipitation in Co-Al-W Superalloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*,1	2.3	